CHROMIUM ELECTROPLATING MACT STANDARD

WI DNR FORM 4500-137 (6/95)

Initial Notification Report
(Also used for: Notice of Construction/Reconstruction)

Submit this report to:
WI DNR Bureau of Air Management
101 S. Webster Street, P.O. Box 7921
Madison, WI 53707-7921
Attn: Compliance Section, Chrome Plating

This report must to be submitted by the following deadlines:

- For chromium electroplating tanks that started operation before January 25, 1995, submit by **July 24,1995.**
- For chromium electroplating tanks that started operation after January 25, 1995 that were constructed/reconstructed before then, submit by **March 26, 1995**.
- For construction/reconstruction beginning after January 25, 1995, submit **before you start your project.**

For further explanation of the requirements that affect you, refer to *Facts about: Maximum Achievable Control Technology (MACT) Standard for CHROMIUM ELECTROPLATING,* available from the your DNR air inspector or the Small Business Clean Air Assistance Program at (608) 267-3136 or (608) 2679214. You can also refer to 40 CFR Part 63, Subpart N--National Emission Standards for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks.

It is not the Departments intention to use any personally identifiable information from this form for any other purpose.

Directions: Complete Part I. FOR PART II, COMPLETE AND SUBMIT ONLY THE SECTION(S) THAT PERTAIN TO YOUR TANK(S):

Part II (A) - Chromic Acid Bath(s) That Started Operation Before January 25, 1995
Part II (B) - Decorative Chromium Electroplating Tank(s) With A Trivalent Chromium Bath That Started Operation Before January 25, 1995
Part II (C) - Tank(s) Starting Operation After January 25, 1995 (Construction/Reconstruction Notice)

Then, proceed to Part III.

(OVER)

PART I - GENERAL INFORMATION

Plant Name _____

Plant Phone Number _____

Plant Contact/Title _____

Mailing Address _____

Street Address _____

City _____ State _____ Zip Code _____

Owner/Operator/Title _____

Address _____
(If different than Plant's)

City _____ State _____ Zip Code _____

PART II - TANK INFORMATION

PART 11 (A) - Chromic Acid Bath(s) That Started Operation Before January 25,1995

1. Complete the following table. If additional lines are needed, make copies of this page.

Tank ID	Type of tank	Startup date	Total installed rectifier capacity (amperes)	Description of parts plated	Applicable emission limit	Compliance date

Example Response:

Tank ID	Type of tank	Startup date	Total installed rectifier capacity (amperes)	Description of parts plated	Applicable emission limit	Compliance date
1	Chrome anodizing	1/l/85	5,000	Aircraft- landing gear	45 dynes/cm or 0.01 mg/dscm	1/25/97
2	Hard chrome plating	1/l/85	10,000	pistons	0.015 mg/dscm	1/25/97
3	Hard chrome plating	1/1/95	12,000	pistons	0.015 mg/dscm	1/25/95
4	Hard chrome plating	3/l/95	12,000	pistons	0.015 mg/dscm	3/l/95

2. Check the box that applies.

❏ Tanks are located at a facility that is a major source.
❏ Tanks are located at a facility that is an area source.

NOTE: A major source is any stationary source or group of stationary sources located within a contiguous area and under cormnon control that emits or has the potential to emit:

- 10 tons per year or more of any hazardous air pollutant; or
- 25 tons per year or more of any combination of hazardous air pollutants; or
- 100 tons per year or more of any air contaminant; or
- 25 tons per year or more of volatile organic compounds (VOCs) if the business is located in Kenosha, Milwaukee, Ozaukee, Racine, Washington, or Waukesha County; or
- 50 tons per year or more of VOCs if the business is located in Kewaunee, Manitowoc, or Sheboygan County.

All other sources are area sources. The major/area source determination is based on all emission points inside the facility, not just the chromium electroplating tank(s).

Additional information about air operating permit requirements can be obtained from your DNR air inspector or the Wisconsin Department of Development's Permit Information Hotline at (800) HELP-BUSiness (1-800-435-7287).

3. Complete the following if hard chromium electroplating tanks are operated. Check the box(es) that apply.

❏ The maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks is greater than or equal to 60 million amp-hr/yr.- This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8,400 hours/yr and by 0.7 for each tank.

❏ The maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks is less than 60 million amp-hr/yr. This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8,400 hours/yr and by 0.7 for each tank.

❏ Records show that the facility's previous 12-month cumulative current usage for the hard chromium electroplating tanks was less than 60 million amp-hr.

❏ The facility wishes to accept a Federally-enforceable limit of less than 60 million amp-hr/yr on the maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks.

PART II (B) - Decorative Chromium Electroplating Tank(s) With A Trivalent Chromium Bath That Started Operation Before January 25, 1995.

l. Complete the following table. If additional lines are needed, make copies of this page.

Tank ID #	Startup date	Description of parts plated	Compliance date

2. Check the box that applies.

❑ Tanks are located at a facility that is a major source.
❑ Tanks are located at a facility that is an area source.

NOTE: A major source is a any stationary source or group of stationary sources located within. a contiguous area and under common control that emits or has the potential to emit:

- 10 tons per year or more of any hazardous air pollutant; or
- 25 tons per year or more of any combination of hazardous air pollutants; or
- 100 tons per year or more of any air contaminant; or
- 25 tons per year or more of volatile organic compounds (VOCs) if the business is located in Kenosha, Milwaukee, Ozaukee, Racine, Washington, or Waukesha County; or
- 50 tons per year or more of VOCs if the business is located in Kewaunee, Manitowoc, or Sheboygan County.

All other sources are area sources. The major/area source determination is based on all emission points inside the not just the chromium electroplating tank(s).

Additional information about air operating permit requirements can be obtained from your DNR air inspector or the Wisconsin Department of Development's Permit Information Hotline at (800).HELP-BUSiness (1-800-435-7287).

3. Provide a brief description of the trivalent chromium electroplating process used at your facility. Attach process flow diagrams for each plating line.

(OVER)

4. Check the box that applies.

❑ The trivalent process used at the facility incorporates a wetting agent.
❑ The trivalent process used at the facility does not incorporate a wetting agent.

5. List below (or attach a list of) the trivalent chromium bath components and clearly identify the wetting agent.

PART II (C) - Tank(s) Starting Operation After January 25, 1995
(Construction/Reconstruction Notice)

1. This form is being completed because (check box(es) that apply):

❑ A chromium electroplating and/or chromium anodizing tank is being constructed.
❑ A chromium electroplating and/or chromium anodizing tank is being reconstructed.

2. Complete the following table. If additional lines are needed, make copies of this page.

Tank ID	Type of tank	Expected beginning date for const/reconst	Expected completion date for const/reconst	Anticipated startup date	Type of control technique to be used[1]	Control System ID #	Estimated total chromium emissions after control is applied[2]

[1] Attach design information from vendor, including design drawings and design capacity.
[2] Attach engineering calculations to support estimate. These calculations may be from the vendor. Emissions estimates should be expressed in units consistent with the emission limits in the regulation.

Example Response:

Tank ID #	Type of tank	Expected beginning date for const/reconst	Expected completion date for const/reconst	Anticipated startup date	Type of control technique to be used[1]	Control System ID #	Estimated total chromium emissions after control is applied[2]
1	Hard chrome plating	10/94	1/95	1/95	Composite mesh-pad system	5	0.01 mg/dscm
2	Decorative chrome plating	2/95	6/95	6/95	Wetting-agent fume suppressant	N/A	Will meet 45 dynes/cm

3. Check the box that will apply after construction/reconstruction occurs.

❑ Tanks are located at a facility that is a major source.
❑ Tanks are located at a facility that is an area source.

NOTE: A major source is a any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit:

(OVER)

- 10 tons per year or more of any hazardous air pollutant, or
- 25 tons per year or more of any combination of hazardous air pollutants; or
- 100 tons per year or more of any air containinant; or
- 25 tons per year or more of.volathe organic compounds (VOCS) if the business is located in Kenosha, Milwaukee, Ozaukee, Racine, Washington, or Waukesha County; or
- 50 tons per year or more of VOCs if the business is located in Kewaunee, Manitowoc, or Sheboygan County.

All other sources are area sources. The major/area source determination is based on all emission points inside the facility, not just the chromium electroplating tank(s).

Additional information about air operating permit requirements can be obtained from your DNR air inspector or the WI Department of Development's Permit Information Hotline at (800) HELP-BUSiness (1-800-435-7287).

4. Complete the following if hard chromium electroplating tanks will be operated. Check the box(es) that apply.

❑ The maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks is greater than or equal to 60 million amp-hr/yr. This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8,400 hours/yr and by 0.7 for each tank.
❑ The maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks is less than 60 million amp-hr/yr. This was determined by taking the sum of the total installed rectifier capacity (amperes) multiplied by 8,400 hours/yr and by 0.7 for each tank.
❑ Records show that the facility's previous 12-month cumulative current usage for the hard chromium electroplating tanks was less than 60 million amp-hr.
❑ The facility wishes to accept a Federally-enforceable limit of less than 60 million amp-hr/yr on the maximum cumulative potential rectifier capacity of the hard chromium electroplating tanks.

5. Attach a brief description of the proposed emission control technique(s), including design drawings, design capacity, and emissions estimates with supporting calculations.

PART II (C) - Continued

6. If reconstruction is to occur, attach a brief description of the source and the components to be replaced.

7. Complete the following if reconstruction is to occur, and the facility believes that there are economic or technical limitations to prevent the facility from complying with all relevant standards or requirements.

A. Attach a discussion of any economic or technical limitations of complying with the relevant standards or requirements. The discussion must be sufficiently detailed to demonstrate how these limitations will affect the facility's ability to comply**.**

B. Provide an estimate of the fixed capital cost of the replacements and of constructing a comparable entirely new source: Replacements $_____; New source $_____.

C. Provide the estimated life of the source after the replacements:

NOTE: If you begin operating a tank after January 25, 1995 that was constructed/reconstructed before then, you must notify your local DNR air inspector of the actual startup date of the tank within 30 days after startup, or with this report.

If you begin construction/reconstruction after January 25, 1995, you must notify your local DNR air inspector of the actual date construction/reconstruction began within 30 days after that date, then notify your local DNR air inspector of the actual startup date of the tank within 30 days after startup.

PART III - SIGNATURE

Print or type the name and title of the Responsible Official for the plant:

_____

(Name) (Title)

A Responsible Official can be:

- The president, vice-president, secretary, or treasurer of the company that owns the plant; or
- The owner of the plant; or
- The plant engineer or supervisor; or
- A government official if the plant is owned by the Federal, State, City, or County government; or
- A ranking military officer if the plant is located on a military base.

I Certify The Information Contained In This Report To Be Accurate And True To The Best Of My Knowledge.

_____ ___/___/___

(Signature of Responsible Official) (Date)